

Camp SEA Lab Activities

Theme	Activity Type	Activity	Themes:	CA State Science Standards:					National Science Standards:	Ocean Literacy Principles:
				4th	5th	6th	7th	8th		
Geology	Earth Science/Modeling	AdVENTurous Findings on the Deep Sea Floor	G, DS	3a, 3b	1a, 1f	3a, 4c	4a	5a, 5c	1a, 1b, 2a, 4a, 4b	2a, 5f, 7b
Intertidal Studies	Art	Algae pressing	IS, CE	2a, 3a	2a		5a		Ua, Ue, 3a, 3e, 6b	5c, 5d
Adaptations	Investigation	All that Glitters	A, L, Ph	3a, 3b			6a, 6e, 6f		Ua, Ub, 3a, 3d, 3e	5c, 5d, 5f
Adaptations	Physical Activity	Bat & Moth	A	2b		5b	5g		Ua, Ub, 3a, 3c, 3e	5d
Coastal Ecology	Scientific Observation	Beach Bucket Scavenger Hunt	CE	3a, 3b, 5c	6a	2c, 5b, 5c, 5e			Ua, Ub, 3a, 3d, 3e, 6b, 6e	2a, 2c, 2d, 5c, 5d, 5f, 6e, 6g
Coastal Ecology	Physical Activity	Beach Clean-up	CE, HI		6a, 6g	6b			6b, 6c, 6d	6e, 6g
Adaptations	Evolution/Modeling	Bird Beak Buffet	A, CE	2b, 3b, 3c, 6e	6g	7c, 7e	3a, 3b, 7c, 7d		Ue, 3a, 3c, 3e	5d, 5h
Adaptations	Art	Build a Fish	A, Ic		2a,		5a, 5c		3a, 3e	5d
Ecosystems	Art	Build a Kelp Forest	E, CE	2a-c, 3a-c, 6a-b					Ua, 3a, 3c, 3d, 3e	5c-f
Bouyancy	Technology	Build an ROV	B, DS	1g				1a, 1d, 1e, 2a, 2b, 2c, 8c, 8d	Ue, 1a, 1b, 2b, 5a, 5b, 6e, 7a, 7c	7a, 7b, 7d, 7f
Adaptations	Physical Activity	Camouflage Game	A	2b, 3a, 3b			3a		Ua, Ub, 3a, 3e, 6b	5a, 5c, 5d
Adaptations	Art	Create a Deep Sea Critter	A, DS	3a, 3b						5a, 5c-e, 5g
Watershed Ecology	Modeling	Creating a Watershed in Your Hand	WE, Po			2a, 2b			Ua, Ub, 3d, 4a, 6b	1g, 2c, 6e, 6g
Adaptations	Art	Critter Construction	A, B	3a, 3b					Ua, Ub, 1a, 1b, 3a, 3d, 3e	5a, 5c, 5d, 5e, 5f
Bouyancy	Scientific Observation	Current Trends	B, C		4a, 4b, 6g				Ub, 1a, 1b, 2b, 4a,	1c, 3f
Adaptations	Review	Ears to You	A, OO	3a, 3b		5e			Ue, 1a, 1b, 3a-e	5a, 5c-e, 5h
Coastal Ecology	Environmental Policy/Simulation	Fish Banks	CE, HI			5e, 6b, 7b	7a		Ua, Ub, 1a, 1b, 3d, 5a, 5b, 6b, 7a	6b, 6e, 6g
Human Impact	Simulation	Fishing for the Future	HI, Po			5e, 6b, 7c, 7e			Ua, 3d, 6b, 7a	1h, 6b, 6e, 7c, 7e
Physics	Inquiry/Modeling	Float a Boat	Ph, B			3a		2, 8	Ue, 3b	1e
Genetic Diversity	Simulation	Gene Scene	GD, PG				2b, 2c, 3a, 3e, 7c		Ub, Ud, 1a, 1b, 3b, 3d, 3e, 6b, 7a	5c, 5d, 6e, 6g
Bouyancy	Art	Great Plankton Race	B, OO	3b	6a, 6c, 6g				Ua, Ub, Ue, 1a, 1b, 3a, 3c, 3e	4a, 5a-f, 6a
Ichthyology	Art	Gyotaku	Ic	3a, 6f	2a		5a		Ue, 3e, 3a	5a, 5d
Coastal Ecology	Physical Activity	Hooks and Ladders	CE, Ic	2b, 3a, 3b		5e, 6b			Ua, Ub, 1a, 1b, 3d, 6b, 6d, 7a	6b, 6e, 6g
Adaptations	Art	InVENT a Deep Sea Invertebrate	A, DS	3a, 3b		1a, 5a-c, 7a	3a, 7b-d		Ua, Ue, 3a-e	5a, 5c-g, 7a
Adaptations	Inquiry/Art	It Takes all Kinds	A, Ic	3b	6a, 6g				Ua, Ue, 1a, 1b, 3e	5a, 5c, 5e
Adaptations	Modeling	Light at the Bottom of the Deep, Dark Ocean?	A, DS	3a, 3b		5a-c, 7e	3a, 7b-d		1a, 1b, 2a, 2c, 3c-e, 4a	5a, 5c-f
Adaptations	Physical Activity	Lights in the Dark	A, DS	3a, 3b			3a, 7c		Ud, 1a, 1b, 3a, 3e	5a, 5c-f

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Bouyancy	Scientific Modeling	Living Under Pressure	B, DS	3a, 3b			3a, 7c		Ub, 1a, 1b, 3a, 3e, 6b	5e, 5f, 7b
Watershed Ecology	Physical Activity	Macroinvertebrate Mayhem	WE	3a, 3b,	6a, 6g	6b			1a, 1b, 3d, 6b, 7a	1g, 6e, 6g, 7e
Geology	Art	Make a Deep Sea Vent	G, DS	3a, 3b			3a, 7c		Ue, Ud, 1a, 2a, 3a–e, 5b	1b, 2a, 5e, 5f
Adaptations	Biology/Inquiry	Marine Mammal Lab	A, OO	3a, 3b		5e, 7b			Ue, 1a, 1b, 3a, 3e, 6b	5a, 5d
Watershed Ecology	Physical Activity	Native Planting	WE, CE		6a, 6f, 6i	7b	7a		Ua, Ud, 3d, 5a 6b, 7a	6e
Coastal Ecology	Math/Investigation	No Water off a Duck's Back	CE, HI	3a		5e			6b	1g, 6e, 6g
Watershed Ecology	Physical Activity	Non-native Plant Removal	WE, CE	2b, 3b, 3c					Ua, Ud, 3d, 3e, 6b, 7a	6e
Adaptations	Scientific Observation	Owl Pellet Dissection	A	2b, 3a, 3b, 6a	2a, 2c, 6h				Ub, Ue, 1a, 3a, 3c–e	
Coastal Ecology	Scientific Observation	Plankton Lab	CE, OO	2a, 2b, 3c	6a	5a, 5c, 5d, 5e, 7b	7a		Ue, 3a, 3e, 6b	5a–f
Watershed Ecology	Earth Science/Modeling	River Cutters	WE, HI		3a, 3c, 3d, 6a	1a, 2a–c	4c, 4e			1b, 1e, 2a–e
Intertidal Studies	Scientific Observation	Rocky Intertidal Kit	IS, CE	2a, 2b, 3a, 3b	6a, 6f, 6h	5a, 5b, 5e, 7b			Ua, Ue, 1a, 1b, 3a, 3d, 3e, 6b, 6a	5c-f, 6b
Intertidal Studies	Scientific Observation	Rocky Intertidal Monitoring (LiMPETS)	IS, CE		2f	5a-e	2a, 3a–c, 3e	6a	Ub, 1a, 1b, 3a, 3c–e, 6b	
Intertidal Studies	Scientific Observation	Sand Crab Monitoring (LiMPETS)	IS, CE		2f	5a-e	2a, 3a–c, 3e	6a	Ub, 1a, 1b, 3a, 3c–e, 6b	5a, 5d, 5h
Geology	Scientific Observation	Sands of Time	G, CE	4a, 4b, 5a–c, 6a, 6c–d, 6f	1a, 6a, 6f–h				Ub, 1a, 1b, 2a, 2b, 4a, 4b	2a, 2c–e
Adaptations	Review	Sea Otter Jeopardy	A, HI, CE	2a	6a, 6g,	7c, 7d	7c, 7d		1a, 1b, 3d, 3e, 6b, 6d, 6a	5a, 5c–e, 6e
Adaptaions	Scientific Observation	Seashell Mapping	A, IS	3a	6a, 6g	7c, 7d	7c, 7d		Ua, 1a, 1b, 3a, 3d, 3e, 6b	5a, 5c
Geology	Scientific Observation	Seashore Sleuthing	G, CE	4a, 5a, 5c, 6a	6a	2c			3a, 3e	2c, 2d, 5a
Adaptations	Scientific Observation	Squid Dissection	A, OO	3b	2a, 2b, 6g	5a-c, 6a-c	5a–g		1a, 1b, 3a–c, 3e, 6b, 6c	1h, 5a, 5c–e, 6b, 6g
Bouyancy	Scientific Modeling	Squidy; the Cartesian Diver	A, B					8	Ub, 2b, 3a, 3c, 3e,	5c–f
Watershed Ecology	Scientific Modeling	Sum of the Parts/Run River Run	WE, HI		3d, 6i	5b, 5c, 5e, 6b, 7d			Ub, 1a, 1b, 3d, 6b, 7a	6e, 6g
Bouyancy	Inquiry/Investigation	Suspended! Underwater Challenge	B, DS	6d, 6f	6a				Ub, 1a, 1b, 2a, 2b	1e, 5f, 7d
Geology	Review	This Game Rocks	G	4a					Ua, Ub, 2a, 2b, 4a, 4b,	2a
Coastal Ecology	Environmental Policy	Town Hall meeting	CE, HI	3b, 3c					Ua, Ub, 1a, 1b, 3d, 6b, 7a	6b, 6e, 6g
Coastal Ecology	Physical Activity	Turtle Hurdles	CE	3b, 6d		5e			Ub, 3b, 3d, 3e, 6b, 7a	5c, 5d, 5e, 5f, 6e, 6g
Watershed Ecology	Scientific Observation	Water quality monitoring	WE, HI	3a	3d, 6f	5e, 6b	7a		Uc, 3d, 5b, 6b, 6e, 7a	1e, 1g, 6e, 6f